



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Watershed Permitting Program
**Sanitary Sewer Overflow (SSO)/Bypass
Notification Form**

FOR DEP USE ONLY

Tax Identification Number

A. Reporting Facility

1. Facility Information

Hull, MA WPCF

MA0101231

Reporting Sewer Authority

Permit #

2. Authorized Representative Transmitting Form:

Aram

Varjabedian

781-925-0906

First Name

Last Name

Telephone No.

Plant Manager

avarjabedian@woodardcurran.com

Title

E-mail Address

B. Phone Notifications:

1. MassDEP staff contacted:

Contacted By Email

David

First Name

Burns

Last Name

Date/Time contacted:

05/27/2018 11:23 AM

Contacted by:

2. EPA staff contacted:

Contacted by: Email

David

First Name

Turin

Last Name

Date/Time EPA contacted:

05/26/2018 11:23 AM

3. Board of Health contacted:

Contacted by:

Joyce

First Name

Sullivan

Last Name

Date/Time contacted:

05/27/2018 11:23 AM

4. Dir. Of Wastewater Oper. Hull Sewer Dept.:

Contacted by:

John

First Name

Struzziery

Last Name

Date/Time contacted:

05/26/2018 15:10 PM

4. Others notified:

Harbormaster / Shelfish Warden - Kurt Bornheim, Division of Marine Fisheries - Ryan Joyce, Hull
Conservation Agent - Chris Krahforst, DPW Director - Jim Dow, Town Manager - Philip Lemnios

Contacted by: Email

Comments



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C. SSO Information

1. SSO Discovered: _____
By: Joe Basler _____ Date and Time 5/26/2018 12:30
2. SSO Stopped Date and Time 05/26/2018 07:45 PM
3. SSO Discharge from: Other
Sanitary Manhole, Pump Station, Backup into property, Other - Specify Below
Specify: Back up from gravity sewer line up to ground surface near 13 Newton St. Sewer line runs along side of road in this area.
4. SSO Discharge to: Ground Surface
Ground Surface, Direct to Receiving Water, Catch Basin to Receiving Water, Backup into Basement
Specify: _____
- Location: Approx location is 13 Newton Street, which is the rear of property of 57 Main St.

(Description of discharge site or closest address)
- X,Y Coordinates 42303358, -70.910825
5. Estimated SSO Volume at time of this Report: < 75 gallons
Method of Estimating Volume: Visual; most contained to with-in the excavated trench area. Difficult to estimate & small amount to ground surface.
Other Method: _____
6. Cause of SSO Event: Sewer System Blockage, Pipe Collapse, Root Intrusion
- Rain Event, PS Failure, Insufficient Capacity in System, Treatment Unit failure, Sewer System Blockage, Pipe Collapse,**
Specify: _____
7. Corrective Actions : Several factors: A combination of blockage, vitrified clay [VC] pipe breaks, and roots caused backup. Approximately 20 ft of 6-inch clay pipe replaced with new PVC. Line was dye tested and some flow was getting by at Main Street. Jetted approximately 150 to 200 feet of line to remove blockage and debris, including through the repaired section.
- Impact Area cleaned and/or disinfected: Yes Corrective Actions Completed: Yes
- Details: Affected area, soil was excavated and liquid stayed within trench. Lime applied to all surface areas, upon completion.



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D. Comments/Attachments/Follow-up

Additional comments and
planned actions:

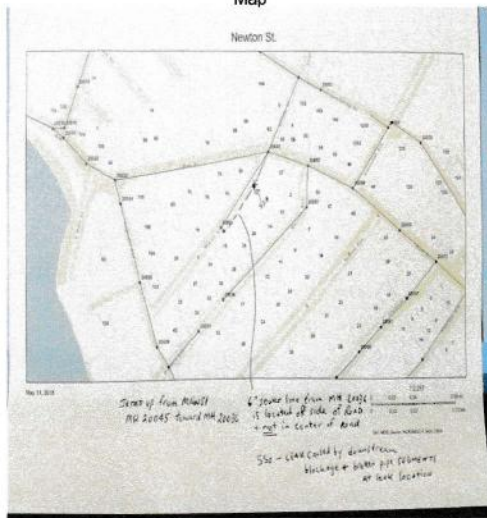
Camera inspection to be made of this line. If any other defects found, corrective plan to repair will be made.

I wish to provide the following:

Attachment

Attachment, Additional Comments, No Additional Comments or Attachments

Map



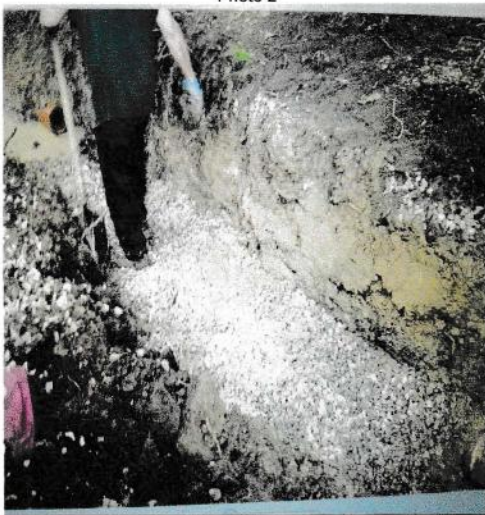
GIS Map

Photo 1



Excavated trench and dyed water

Photo 2



trench bed prep, before new section installed

Photo 3



repaired section with cleanout



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E. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Arum Varghese

Signature of Authorized Representative

5/31/2018

Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from this report.

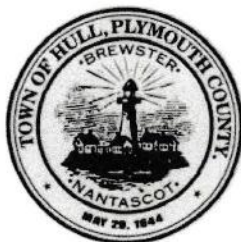
MassDEP Regional Office and EPA Telephone and Fax Numbers:

Northeast Phone: 978-694-3215
Southeast Phone: 508-946-2750
Central R Phone: 508-792-7650
Western F Phone: 413-784-1100
EPA Cont Phone: 617-918-1870
DEP 24-h Phone: 888-304-1133

Fax: 978-694-3499
Fax: 508-947-6557
Fax: 508-792-7621
Fax: 413-784-1149
Fax: 617-918-0870

Town of Hull Wastewater Treatment Plant

1111 Nantasket Avenue
Hull, MA 02045
(781) 925-1207



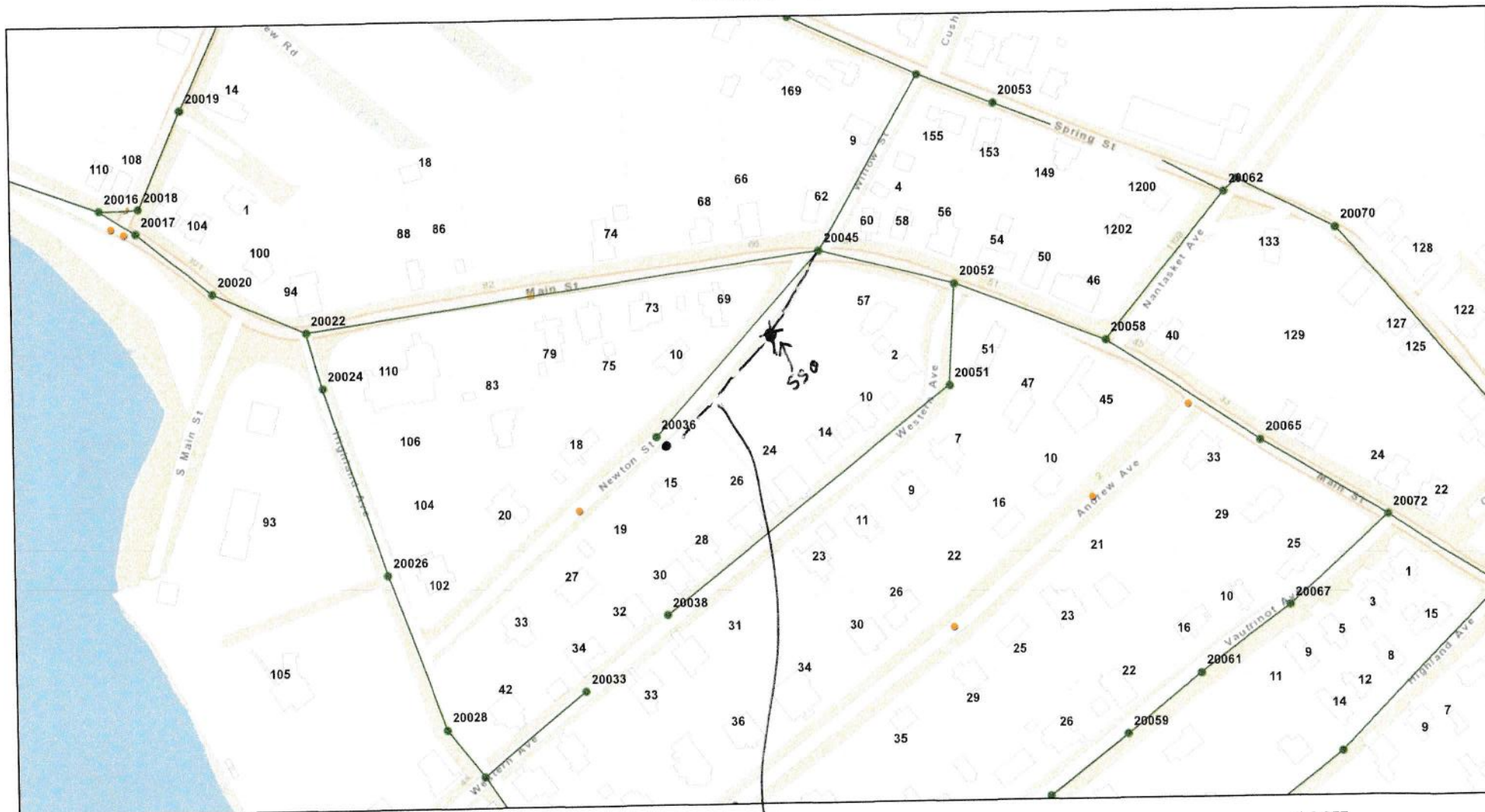
NPDES Permit #
MA0101231

Unauthorized Discharge Summary to Surface Waters Newton Street [5-26-18]

Location (address or latitude and longitude);	<i>On SSO form</i>
Date and Time unauthorized discharge began;	<i>On SSO form</i>
Date and Time unauthorized discharge stopped;	<i>On SSO form</i>
Source of the notification (e.g., property owner, field crew, police);	<i>Odor complaint call into to Sewer Department On-call pager. Staff responded to Newton Street where leak to ground surface appeared to be sewage.</i>
Type of asset from which the unauthorized discharge occurred (e.g., station, manhole, main);	<i>6-inch VC pipe blockage at Main & Newton as well as blockages in line up towards the leak location. At leak location VC pipe condition was poor and had holes in pipe.</i>
Estimated gallons released;	<i>Difficult to estimate <75 gallons, much of volume contained within trench, and lower amount to ground surface.</i>
Method used to estimate volume;	<i>Best estimate based upon visual.</i>
Cause of the unauthorized discharge, (blockage or break; mechanical, electrical, or structural failures);	<i>Blockage in sewer line at MH 20045 [Main/Newton] and in between this manhole and MH 20036 on Newton Street. Root intrusion and pipe breaks in VC pipe segments at leak location.</i>
If caused by a blockage, identify the type of blockage (e.g., grease, rags, debris);	<i>Silt & debris</i>
If caused by a mechanical, electrical, or structural failure, the date of the last inspection, maintenance, or repair of the failed asset;	<i>NA</i>
Did the release reach any portion of the Town's Municipal Separate Storm Sewer System ("MS4").	<i>No release to MS4; no storm drains in this area.</i>

If the release occurred to the ground, provide the location of the nearest down-gradient catch basin and the name of the receiving water to which the catch basin discharges;	<i>No near-by down-gradient catch basins. Leak was off the side of the street surface and very localized.</i>
Did the release reach a wetland or surface water? If so, include the name and exact location where?	<i>No</i>
Measures taken to minimize the volume and duration of the unauthorized discharge;	<i>See corrective action on SSO form</i>
Measures taken to clean the area where the unauthorized discharge occurred;	<i>Excavation area kept to a minimum and followed with clean up & lime applied.</i>
Corrective actions taken to prevent reoccurrence of unauthorized discharges at the same location;	<i>Sewer line jetted to remove debris from line, and additional camera inspection scheduled & performed on 5/31/18.</i>
Date of the last unauthorized discharge in the same general location;	<i>Unknown</i>

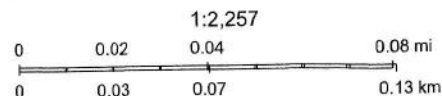
Newton St.



May 31, 2018

JERIED up from MAIN ST
MH 20045 toward MH 20036

6" sewer line from MH 20036
is located off side of ROAD
+ not in center of ROAD



Esri, HERE, Garmin, INCREMENT P, NGA, USGS

SSO - LEAK caused by downstream
blockage + broken pipe SEGMENTS
AT LEAK LOCATION



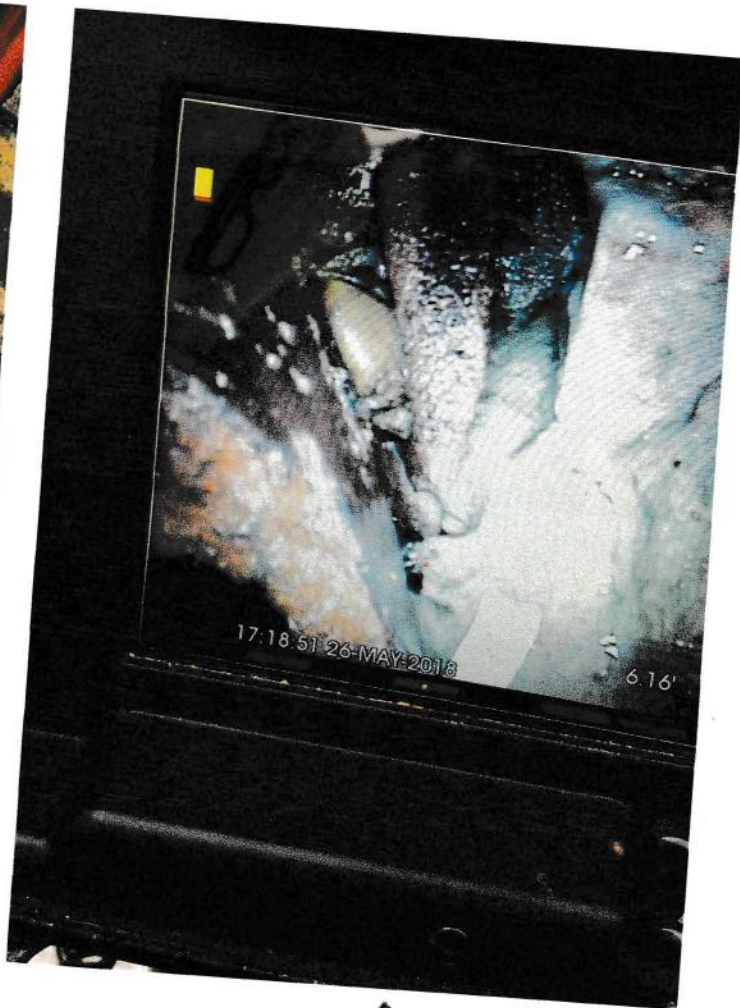
CLEANOUT LOCATION

Looking down
Newton St. toward
MAIN ST.

6" sewer line that
had break + leak LOCATION



MH20045 - JETTING UP NEWTON ST.
MAIN ST/NEWTON ST.



CAMERA SHOWING
BLOCKAGE AT
MH20045

Aram Varjabedian

From: Aram Varjabedian
Sent: Sunday, May 27, 2018 12:23 PM
To: Aram Varjabedian; Berardinelli, Terri; Bill Boornazian; david.burns (david.burns@state.ma.us); Dow, James (jdow@town.hull.ma.us); Frank Cavaleri; jstruzziery (jstruzziery@town.hull.ma.us); jsullivan (jsullivan@town.hull.ma.us); kbornheim (kbornheim@town.hull.ma.us); Krahforst, Chris (ckrahforst@town.hull.ma.us); Lemnios, Philip (plemnios@town.hull.ma.us); O'Connor, Carol; Robert Scott (rscott@woodardcurran.com); Turin, David (Turin.David@epa.gov); Joyce, Ryan (FWE) (ryan.joyce@state.ma.us)
Subject: Preliminary SSO Reprt notification - Hull, MA - MA0101231
Attachments: map_052618_Newton_St.pdf

Tracking:	Recipient	Delivery	Read
	Aram Varjabedian	Delivered: 5/27/2018 12:23 PM	Read: 5/27/2018 12:46 PM
	Berardinelli, Terri		
	Bill Boornazian	Delivered: 5/27/2018 12:23 PM	
	david.burns (david.burns@state.ma.us)		
	Dow, James (jdow@town.hull.ma.us)		
	Frank Cavaleri	Delivered: 5/27/2018 12:23 PM	Read: 5/27/2018 12:45 PM
	jstruzziery (jstruzziery@town.hull.ma.us)		
	jsullivan (jsullivan@town.hull.ma.us)		
	kbornheim (kbornheim@town.hull.ma.us)		
	Krahforst, Chris (ckrahforst@town.hull.ma.us)		
	Lemnios, Philip (plemnios@town.hull.ma.us)		
	O'Connor, Carol		
	Robert Scott (rscott@woodardcurran.com)	Delivered: 5/27/2018 12:23 PM	Read: 5/27/2018 2:07 PM
	Turin, David (Turin.David@epa.gov)		
	Joyce, Ryan (FWE) (ryan.joyce@state.ma.us)		

Good morning:

This email is to notify you that there was a sewer blockage on Newton Street in Hull on Saturday 5/26, that resulted in a small release to the ground surface on the side of the road on Newton St. The release, limited to the ground surface on side of the road, did not reach any down gradient storm drains. The Newton Street area is bordered by #57 and #69 Main Street.

As a result of the department's investigation, a sub-contractor was called in, as well as a vactor/jetter truck. The area where the leak was occurring was small and intermittent and the notification had come in initially as an odor complaint. The affected area was

excavated and defects in the 6-inch vitrified clay pipe were found and root intrusion into the pipe also existed. These issues were corrected. The downstream blockage where Newton St. meets Main Street [MH 20045] was cleared, with approximately 200 feet of sewer line jetted upstream on Newton St. from the Main Street manhole.

A full SSO Notification Report Form will be completed and submitted.

Sincerely,

Aram

Aram Varjabedian

Plant Manager

Hull Wastewater Treatment Facility

1111 Nantasket Avenue | Hull, MA 02045

Phone 781.925.0906 | Fax 781.925.3056 | Cell 339.214.8334

www.woodardcurran.com



COMMITMENT & INTEGRITY DRIVE RESULTS